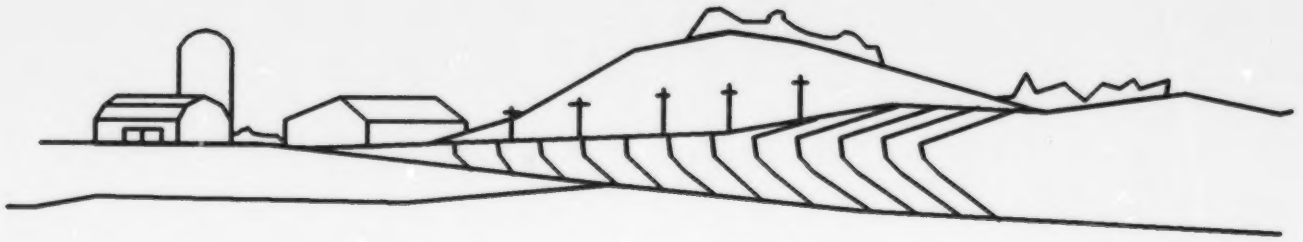
CUSTOM RATES SURVEY

HAYMAKING AND SILAGE MAKING OPERATIONS
1989



Alberta
AGRICULTURE
STATISTICS BRANCH
427-4011

PREFACE

The Custom Rate Survey is conducted for Alberta Agriculture as a cooperative effort involving the Department Statistics Branch, and Farm Business Management Branch.

The data presented in this report was obtained by contacting custom operators and dealers and thus represent actual charges. Please note that some instances may be GNR (Good Neighbor Rates) as opposed to CR (Commercial Rates). The reader should be aware that varying conditions in different areas of the province can significantly affect the rates charged.

The intent of the survey is to provide producers with additional information to help with their farm management decisions. The quality of data is dependent on the cooperation received by producers as well as commercial custom operators. We would like to thank all those who were so willing in helping to provide information. If you are involved in any custom operations and have not been contacted but wish to contribute please call the following numbers or contact your local District Agriculturist.

Alberta Agriculture
Statistics Branch
Edmonton, Alberta
403-427-4011

Alberta Agriculture
Farm Business Management Branch
Olds, Alberta
403-556-4240

I.D. 24
I.D. 23
I.D. 18
I.D. 17
6
5
4
3
2
1
I.D. 16
I.D. 15
I.D. 14
I.D. 10
COUNTY 1
LEGEND
Regional Offices
Region 1 - Lethbridge
2 - Airdrie
3 - Red Deer
4 - Vermilion
5 - Barrhead
6 - Fairview
Edmonton
Calgary

SILAGE MAKING OPERATIONS 1989

(COMPLETE & SEMI-COMPLETE SILAGE OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
1	MD26	$7.50/TON	CH	TRACTOR, JD 3960 HARVESTER, TANDEM & PUP TRAILER TO 1 MILE	22TON/LOAD	PLUS $0.25/TON/MI OVER 1 MILE
1	MD26	$9/TON	CH	TRACTOR, JD 3960 HARVESTER, TANDEM & PUP TRAILER TO 1 MILE	22TON/LOAD	PLUS $0.25/TON/MI OVER 1 MILE
			E	PACKING WITH 4WD 200HP JD 8440 TRACTOR		
1	4	$30/TON	S	SP 16' NH 1116 SWATHER W/RAKE		BASED ON DRY MATTER
			CH	SP NH 2100 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 5 MILES	25TON/LOAD	BASED ON DRY MATTER
1	8	$8/TON	CH	SP JD 4720 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 5 MI	15-20AC/HR	
1	8	$5/TONNE	CH	TRACTOR, JD HARVESTER, SA TRUCK TO 1 MILE	8TONNE/LOAD	PLUS $1/TONNE/MI OVER 1 MILE
1	8	$7/TONNE	CH	TRACTOR, JD HARVESTER, SA TRUCK TO 3 MILES	8TONNE/LOAD	
1	8	$18/TONNE	CH	SP JD 5820 HARVESTER, SA TRUCK TO 10 MILES	5TONNE/LOAD	BASED ON DRY MATTER; HAY
1	26	$4.50/TON	CH	TRACTOR, JD 3960 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 5 MILES	7TON/LOAD	
1	26	$6.75/TON	S	SP 15' MF 655 SWATHER		
			CH	TRACTOR, JD 3960 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 5 MILES	7TON/LOAD	
			E	PACKING WITH 4WD TRACTOR W/FRONT END LOADER		
2	MD31	$6.25/TON	CH	TRACTOR, NH 1600 HARVESTER, 3 TANDEM TRUCKS TO 3 MILES	10-12TON/LOAD	
2	MD31	$5.75/TON	CH	TRACTOR, NH 892 HARVESTER, DUMP WAGON, SA TRUCK TO 2 MILES	6TON/LOAD	
2	MD31	$10/TON	S	TRACTOR, 30' JD SWATHER		
			CH	TRACTOR, NH 890 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 3 MILES	7TON/LOAD	
2	MD31	$12/TON	S	TRACTOR, 30' JD SWATHER		
			CH	TRACTOR, NH 890 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 3 MILES	7TON/LOAD	
			E	PACKING WITH 4WD 300HP TRACTOR W/FRONT END LOADER		

SILAGE MAKING OPERATIONS 1989

(COMPLETE & SEMI-COMPLETE SILAGE OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
2	MD44	$6/TON	CH	SP JD HARVESTER, 2 TANDEM TRUCKS TO 3 MILES	15TON/LOAD	
2	17	$30/LOAD	CH	TRACTOR, NH 1600 HARVESTER, DUMP WAGON, SA TRUCK TO 4 MILES	6TON/LOAD	
2	17	$175/LOAD	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, SA OR TANDEM TRUCK TO 3.5 MILES	7TON/LOAD	
2	17	$165/HR	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 3 MILES	7TON/LOAD	
2	17	$4.50/TON	CH	TRACTOR, NH 1600 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 3 MILES	9TON/LOAD	
2	17	$5.25/TON	CH	TRACTOR, NH 1600 HARVESTER, DUMP WAGON, 2 TANDEM TRUCKS TO 3 MILES	12-15TON/LOAD	
3	MD99	$5/TON	CH	TRACTOR, NH 1600 HARVESTER, DUMP WAGON, SA OR TANDEM TO 3 MILES	9TON/LOAD	
3	3	$168/HR	CH	TRACTOR, IHC HARVESTER, DUMP WAGON, SA TRUCK TO 1.5 MILES	7TON/LOAD	70TONS/HR
3	3	$125/HR	CH	TRACTOR, GALE 1060 HARVESTER, DUMP WAGON, SA TRUCK TO 1.5 MILES		
3	3	$165/HR	CH	TRACTOR, GALE 1060 HARVESTER, DUMP WAGON, SA & TANDEM OVER 1.5 MILES	7TON/LOAD	
3	6	$36/LOAD	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 1 MILE	7TON/LOAD	PLUS $30/HR PER EXTRA TRUCK
3	14	$3.25/TON	CH	SP NH 2100 HARVESTER, 2 TANDEM TRUCKS TO 5 MILES	13TON/LOAD	PLUS FUEL
3	14	$155/HR	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, SA TRUCK TO 4 MILES	7TON/LOAD	50TONS/HR
3	14	$5/TON	CH	TRACTOR, NH 892 HARVESTER, DUMP WAGON, SA W/TRAILER TO 3 MILES	7TON/LOAD	
3	14	$6/TON	CH E	TRACTOR, NH 892 HARVESTER, DUMP WAGON, SA W/TRAILER TO 3 MILES PACKING WITH 100HP FRONT WHEEL ASSIST TRACTOR W/FRONT END LOADER		
3	29	$165/HR	CH	TRACTOR, NH 1600 HARVESTER, DUMP WAGON, TANDEM TO 2 MILES	7TON/LOAD	

SILAGE MAKING OPERATIONS 1989

(COMPLETE & SEMI-COMPLETE SILAGE OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
4	24	$15/TONNE	CH	TRACTOR, NH 892 HARVESTER, DUMP WAGON, TANDEM TRUCK TO 3 MILES	6TON/LOAD	
5	11	$135/HR	CH	TRACTOR, NH900 HARVESTER, DUMP WAGON, 1 TANDEM TO 1.5 MILES	7TON/LOAD	
5	11	$170/HR	CH	TRACTOR, NH900 HARVESTER, DUMP WAGON, 2 TANDEMS TO 1.5 MILES	7TON/LOAD	
5	11	$135/HR	CH	SP JD HARVESTER, DUMP WAGON, 1 TANDEM TO 2 MILES	7TON/LOAD	
5	11	$170/HR	CH	SP JD HARVESTER, DUMP WAGON, 2 TANDEMS TO 7 MILES	7TON/LOAD	

LEGEND

OPERATION	EQUIPMENT
S - SWATHING	SP - SELF PROPELLED
C - CHOPPING	SA - SINGLE AXLE
H - HAULING	JD - JOHN DEERE
E - ENSILING	NH - NEW HOLLAND

ALL CUSTOM COSTS ARE $/WET MATTER UNLESS OTHERWISE SPECIFIED IN TEXT.
THERE IS VERY LITTLE SILAGE PUT UP BY CUSTOM OPERATORS IN REGIONS 4 & 6.

SILAGE MAKING OPERATIONS 1989

(BAGGED SILAGE OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
1	MD9	$2650/BAG	CH	TRACTOR, JD 3970 HARVESTER, DUMP WAGON, 2 SA 6TON TRUCKS TO 1 MILE		
			E	TRACTOR, GEM BAGGER; 9'X200' BAG; 200TONS/BAG	25TON/HR	COST OF BAG INCLUDED
1	MD9	$1850/BAG	CH	TRACTOR, JD 3970 HARVESTER, DUMP WAGON, 2 SA 6TON TRUCKS TO 1 MILE		
			E	TRACTOR, GEM BAGGER; 9'X150' BAG; 150TONS/BAG	25TON/HR	COST OF BAG INCLUDED
1	MD26	$1400/BAG	CH	TRACTOR, JD 3650 HARVESTER, DUMP WAGON, 2 SA TRUCKS TO 2 MILES		
			E	SILOPRESS XP2 BAGGER; 8'X150' BAG; 150TONS/BAG (CUST. PROVIDES TRACTOR)	45TON/HR	COST OF BAG INCLUDED
1	4	$3000/BAG	CH	TRACTOR, NH HARVESTER, 2 SA TRUCKS TO 2 MILES		
			E	SILOPRESS BAGGER; 10'X200' BAGS; 220TONS/BAG (CUST. PROVIDES TRACTOR)	30TON/HR	COST OF BAG INCLUDED
2	MD44	$1600/BAG	CH	TRACTOR, NH 742 HARVESTER, DUMPWAGON, SA & TANDEM TRUCKS TO 2 MILES		
			E	SILOPRESS XP1 BAGGER; 8'X150' BAG; 100TONS/BAG (CUST. PROVIDES TRACTOR)	45TON/HR	COST OF BAG INCLUDED
2	MD44	$950/BAG	E	SILOPRESS XP3 BAGGER; 8'X150' BAGS; 100TONS/BAG (CUST. PROVIDES TRACTOR)	20TON/HR	COST OF BAG INCLUDED
2	MD44	$1550/BAG	CH	TRACTOR, NH 892 HARVESTER, DUMP WAGON, SA & TANDEM TRUCKS TO 3 MILES	6TON/LOAD	
			E	SILOPRESS XP3 BAGGER; 8'X150' BAGS; 100TONS/BAG (CUST. PROVIDES TRACTOR)	45TON/HR	COST OF BAG INCLUDED
2	MD48	$1350/BAG	E	AG-BAG BAGGER; 10'X150' BAGS; 175-225TONS/BAG (CUST. PROVIDES TRACTOR)	20TON/HR	COST OF BAG INCLUDED
2	MD48	$1800/BAG	E	AG-BAG BAGGER; 10'X200' BAGS; 235-265TONS/BAG (CUST. PROVIDES TRACTOR)	20TON/HR	COST OF BAG INCLUDED
2	17	$1400/BAG	E	GEM BAGGER; 10'X150' BAG; 210TONS/BAG (CUST. PROVIDES TRACTOR)	45TON/HR	COST OF BAG INCLUDED
2	17	$1800/BAG	E	GEM BAGGER; 10'X200' BAG; 265TONS/BAG (CUST. PROVIDES TRACTOR)	45TON/HR	COST OF BAG INCLUDED
2	17	$1400/BAG	E	GEM BAGGER; 10'X150' BAGS; 200 TONS/BAG (CUST. PROVIDES TRACTOR)	40-45TON/HR	COST OF BAG INCLUDED
2	17	$1800/BAG	E	GEM BAGGER; 10'X200' BAGS; 250 TONS/BAG (CUST. PROVIDES TRACTOR)	40-45TON/HR	COST OF BAG INCLUDED

SILAGE MAKING OPERATIONS 1989

(BAGGED SILAGE OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
2	17	$2400/BAG	CH	TRACTOR, NH 1600 HARVESTER, 2 TANDEM TRUCKS TO 3 MILES	12-15TON/LOAD	
			E	GEM BAGGER; 10'X150' BAGS; 200 TONS/BAG (CUST. PROVIDES TRACTOR)	40-45TON/HR	COST OF BAG INCLUDED
2	17	$3200/BAG	CH	TRACTOR, NH 1600 HARVESTER, 2 TANDEM TRUCKS TO 3 MILES	12-15TON/LOAD	
			E	GEM BAGGER; 10'X200' BAGS; 250 TONS/BAG (CUST. PROVIDES TRACTOR)	40-45TON/HR	COST OF BAG INCLUDED
3	3	$1000/BAG	E	JD 4020 TRACTOR, KELLY RYAN BAGGER; 9'X135' BAG; 135TONS/BAG		BAG INCLUDED; $850/BAG 2ND+ BAGS
3	3	$1000/BAG	E	TRACTOR, KELLY RYAN BAGGER; 9'X135' BAG; 145TONS/BAG	35TON/HR	COST OF BAG INCLUDED
3	6	$2600/BAG	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, SA TRUCK TO 2 MILES	7TON/LOAD	
			E	TRACTOR, GEM BAGGER; 9'X200' BAGS; 200TONS/BAG	35TON/HR	COST OF BAG INCLUDED
5	25	$2000/BAG	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, 2 TANDEM TRUCKS TO 5 MILES		
			E	AG-BAG G900 BAGGER; 9'X135' BAG; 135TONS/BAG (CUST. PROVIDES TRACTOR)	35TON/HR	COST OF BAG INCLUDED
5	25	$2200/BAG	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, 2 TANDEM TRUCKS TO 5 MILES		
			E	AG-BAG G900 BAGGER; 9'X150' BAG; 150TONS/BAG (CUST. PROVIDES TRACTOR)	30TON/HR	COST OF BAG INCLUDED
5	31	$1300/BAG	CH	TRACTOR, NH 900 HARVESTER, DUMP WAGON, SA & TANDEM TRUCKS TO 2 MILES		
			E	SILOPRESS XP2 BAGGER; 8'X150' BAG; 150TONS/BAG (CUST. PROVIDES TRACTOR)	30TON/HR	COST OF BAG INCLUDED
5	31	$700/BAG	E	SILOPRESS XP2 BAGGER; 8'X150' BAG; 150TONS/BAG (CUST. PROVIDES TRACTOR)	30TON/HR	COST OF BAG INCLUDED

SILAGE MAKING OPERATIONS 1989

(SINGLE SILAGE MAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
1	MD26	$2.50/TON	H	10-12TON TANDEM TRUCK AND PUP TRAILER (HOLDS SAME)		PLUS $0.25/TON/MI OVER 3 MILES
1	MD26	$1.50/TON	E	PACKING WITH 4WD 200HP JD 8440 TRACTOR W/FRONT END LOADER		
1	MD26	$6/AC	S	SP 30' VERSATILE 4700 SWATHER		
1	MD26	$5/TON	C	TRACTOR, JD 3960 HARVESTER		
1	4	$4/TON	S	SP 16' NH 1116 SWATHER W/RAKE		BASED ON DRY MATTER
1	4	$12/TON	H	24-26TON TANDEM TRUCK		0-10MILES; BASED ON DRY MATTER
1	4	$3.85/TONNE	H	12-14TONNE TANDEM TRUCK		0-10MILES
1	4	$14/TON	C	SP NH 2100 HARVESTER	8-10AC/HR	BASED ON DRY MATTER
1	26	$11/AC	S	SP 15' MF 655 SWATHER		
1	26	$1/TON	S	SP 15' MF 655 SWATHER		
1	26	$1.25/TON	E	PACKING WITH 4WD TRACTOR W/FRONT END LOADER		
1	26	$32/HR	H	7TON TANDEM TRUCK		0-20 MILES
2	MD31	$3.75/TON	C	TRACTOR, NH 1600 HARVESTER		
2	MD31	$2.50/TON	H	3 TANDEM TRUCKS TO 3 MILES	10-12TON/LOAD	
2	MD31	$2/TON	S	TRACTOR, 30' JD SWATHER		
2	MD31	$6/TON	C	TRACTOR, NH 890 HARVESTER		
2	MD31	$2/TON	E	PACKING WITH 4WD 300HP TRACTOR W/FRONT END LOADER		
2	MD31	$2/TON	H	DUMP WAGON, 7TON TANDEM TRUCK		0-3 MILES
2	MD31	$42/HR	E	PACKING WITH MF 4840 WITH 14' BLADE		PLUS FUEL
2	MD31	$5/AC	S	TRACTOR, 30' WESTWARD SWATHER	10AC/HR	
2	17	$18/LOAD	C	SP NH 1600 HARVESTER		
2	17	$12/LOAD	H	DUMP WAGON, SINGLE AXLE TRUCK TO 4 MILES	6TON/LOAD	
2	17	$35/HR	H	PER SINGLE AXLE OR TANDEM TRUCK	6TON/LOAD	
2	17	$6.25/AC	S	SP 18' HESTON 6550 SWATHER		
2	17	$140/HR	C	SP NH 900 HARVESTER, DUMP WAGON	7TON/LOAD	

SILAGE MAKING OPERATIONS 1989

(SINGLE SILAGE MAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
3	3	$42/HR	E	PACKING WITH 4WD FORD 7710 TRACTOR W/FRONT END LOADER		
3	3	$40/HR	H	PER TANDEM TRUCK		
3	14	$120/HR	C	TRACTOR, NH 900 HARVESTER, DUMP WAGON	50TON/HR	
3	14	$35/HR	H	PER SINGLE AXLE TRUCK		
3	14	$1/TON	E	PACKING WITH 100HP FRONT WHEEL ASSIST TRACTOR W/FRONT END LOADER		
3	14	$50/HR	E	PACKING WITH 4WD TRACTOR WITH FRONT END LOADER		
3	14	$40/HR	S	SP 18' HESTON 6450 SWATHER	8AC/HR	
3	14	$6/AC	S	SP 18' VERSATILE SWATHER	10AC/HR	
3	29	$35/HR	H	PER TANDEM TRUCK		
3	29	$130/HR	C	TRACTOR, NH 1600 HARVESTER, DUMP WAGON		
5	MD92	$50/HR	S	SP 18'-36' SLIDING TABLE HESTON 6450 SWATHER	8AC/HR	
5	11	$35/HR	H	PER TANDEM TRUCK		
5	11	$100/HR	C	TRACTOR, NH 900 HARVESTER, DUMP WAGON		
5	11	$6/AC	S	SP 18' JD 2420 SWATHER WITH CRIMPER		
5	11	$100/HR	C	SP JD HARVESTER, DUMP WAGON		
5	11	$35/HR	H	PER TANDEM OR TRACTOR TRAILER TO 1.5 MILES		
5	11	$5/AC	S	SP 18' JD 2420 SWATHER		
5	31	$25/HR	H	DUMP WAGON (5-7TON) & SA OR TANDEM TRUCK TO 2 MILES		
5	31	$125/HR	C	TRACTOR, NH 900 HARVESTER		
5	31	$35/HR	S	SP 14' NH 1160 SWATHER		

HAYMAKING OPERATIONS 1989

LEGEND

M - MOWING
MC - MOWING AND CONDITIONS
B - BALING
S - STACKING
SH - HAULING AND STACKING
T - LONG DISTANCE HAULING

SR - SMALL ROUND BALES (800 - 950 lbs)
MR - MEDIUM ROUND BALES (1000 - 1150 lbs)
LR - LARGE ROUND BALES (1250 - 1500 lbs)
LMI - LOADED MILE
SP - SELF PROPELLED
JD - JOHN DEERE NH - HEW HOLLAND

Note: Rate (ac/hr or bales/hr) varies according to field conditions.

HAYMAKING OPERATIONS 1989

(COMPLETE AND SEMI-COMPLETE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
1	4	$14/BALE	B	TRACTOR, HESTON 4800; LARGE SQUARE BALES	20-40BALES/HR	
			SH	SP RETRIEVER TRUCK HOLD 8 BALES/LOAD & 180HP TRACTOR W/FRONT END LOADER		MAXIMUM HAUL 10 MILES
1	4	$9/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
			S	STACKING ON FIELD WITH FRONT END LOADER		
1	4	$19/TONNE	B	TRACTOR, HESTON 4800 BALER; LARGE SQUARE BALES		
			S	STACKING BALES 4 HIGH ON FIELD WITH FRONT END LOADER		
3	14	$10/TONNE	MC	SP NH 1118 WITH 16' HEADER		
			B	TRACTOR, NH 855 BALER; LARGE ROUND BALES		
			S	SP NH 8500 HOLDS 8 LARGE ROUND BALES ON FIELD STACKING		
3	18	$0.50/BALE	B	TRACTOR, JD 347 BALER; 14X18 BALES		
			SH	TRACTOR, NH 1037 HOLDS 105 14X18 BALES TO 1/2 MILE		
5	MD92	$11/BALE	MC	NH 499 HAYBINE	7AC/HR	
			B	TRACTOR, NH 855 BALER; LARGE ROUND BALES	30BALES/HR	
5	25	$1/BALE	M	NH 1114 WITH 14' HEADER	5AC/HR	
			B	TRACTOR, MF 228 BALER; 14X18 BALES	350BALES/HR	
			SH	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD STACKING		

NOTE: ALL CUSTOM COSTS FOR BALING INCLUDE TWINE UNLESS OTHERWISE STATED.

LEGEND

M- MOWING
MC-MOWING AND CONDITIONING
B- BALING
S- STACKING
SH-STACKING AND HAULING
T- LONG DISTANCE HAULING

SR - SMALL ROUND BALES (800-950LBS)
MR - MEDIUM ROUND BALES (1000-1150LBS)
LR - LARGE ROUND BALES (1250-1500LBS)
LMI - LOADED MILE
SP - SELF PROPELLED
JD - JOHN DEERE NH - NEW HOLLAND

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
1	MD1	$0.25/BALE	B	TRACTOR, NH 320 BALER; 14X18 BALES		
1	MD1	$0.25/BALE	B	TRACTOR, HESTON 4600 BALER; 14X18 BALES		
1	MD1	$5/BALE	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		
1	MD1	$0.24/BALE	SH	NH 1069 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		STRAW OR HAY BALES
1	MD1	$0.22/BALE	S	NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD		PLUS $0.02/BALE/MI OVER 1 MILE
1	MD9	$0.30/BALE	SH	NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD OR TO 1/2 MILE		
1	MD9	$0.25/BALE	B	TRACTOR, JD 348 BALER; 14X18 BALES		
1	MD9	$0.35/BALE	B	TRACTOR, JD 348 BALER; 14X18 BALES	300BALES/HR	
1	MD14	$5/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
1	MD14	$7/BALE	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		STRAW BALES
1	MD14	$10/AC	MC	HESTON 14' HAYBINE		STRAW OR HAY BALES
1	MD14	$3/BALE	SH	STRAIGHT TRAILER HOLDS 18 BALES & TRACTOR W/FRONT END LOADER		LOCAL HAULS
1	MD14	$5/BALE	B	TRACTOR, CASE BALER; MEDIUM ROUND BALES (800-1100LBS)		
1	2	$1.50/BALE	S	BALE WAGON HOLDS 9 LARGE ROUND BALES ON FIELD		
1	2	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
1	2	$6.85/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
1	2	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
1	2	$40/HR	MC	SP VERSATILE 400 W/15' CRIMPER	10-12BALES/HR	PLUS FUEL
1	2	$12/AC	MC	CASE 1590 WITH 14' HEADER	4AC/HR	
1	2	$2.50/BALE	SH	BALE WAGON HOLDS 9 LARGE ROUND BALES TO 1 MILE	10-12AC/HR	IRRIGATED HAY
1	4	$7/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
1	4	$5/TON	SH	RETRIEVER TRUCK HOLDS 8BALES/LOAD & TRACTOR W/FRONT END LOADER		0-10 MILE HAULS
1	4	$9/AC	MC	VERSATILE 400 W/12' OR 15' HEADER		
1	4	$4/TONNE	MC	VERSATILE 400 W/12' OR 15' HEADER		
1	4	$2/BALE	S	STACKING WITH FRONT END LOADER ON FIELD		
1	5	$11/TON	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		
1	5	$4/BALE	T	STRAIGHT TRAILER HOLDS 30 LARGE ROUND BALES		
1	5	$7/BALE	B	TRACTOR, HESTON 560 BALER; LARGE ROUND BALES		5-15 MILE HAULS
1	5	$10/AC	MC	SP HESTON 6550 W/ 14' HEADER	15BALES/HR	

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
1	5	$2.50/BALE	T	STRAIGHT TRAILER HOLDS 30 LARGE ROUND BALES		0-5 MILE HAULS
1	5	$12/AC	MC	NH HYDRASWING WITH 14' HEADER	5AC/HR	
1	5	$5.75/BALE	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		
1	8	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES	15BALES/HR	PLUS FUEL
1	8	$0.25/BALE	SH	SP NH 1069 BALE WAGON HOLDS 133 16X18 BALES TO 1 MILE		PLUS $0.02/BALE/MI OVER 1 MILE
1	8	$0.50/BALE	B	TRACTOR, JD 468 BALER; 16X18 BALES		
1	8	$0.25/BALE	SH	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		PLUS $0.02/BALE/MI OVER 1 MILE
1	8	$45/TONNE	T	STRAIGHT TRAILER 25TONNES/LOAD (SELF-LOADING & UNLOADING)		OVER 400 MILE HAUL
1	8	$2.50/LMI	T	STRAIGHT TRAILER HOLDS 25TONNES/LOAD (36-37 LR BALES) 100+ MILES		PLUS $40/HR LOAD/UNLOAD
1	8	$35/TONNE	T	STRAIGHT TRAILER 25TONNES/LOAD (SELF-LOADING & UNLOADING)		300 MILE HAUL
1	8	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES	14BALES/HR	
1	8	$10/AC	MC	NH 1116 WITH 16' HEADER CONDITIONER	8-10AC/HR	
1	8	$15/TONNE	T	STRAIGHT TRAILER 25TONNES/LOAD (SELF-LOADING & UNLOADING)		0-60 MILE HAUL
1	26	$0.27/BALE	B	TRACTOR, NH 550 BALER; 14X18 BALES		STRAW BALES
1	26	$0.20/BALE	SH	NH 1049 SUPER BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		
1	26	$9.50/AC	MC	12' HAYBINE		
1	26	$0.30/BALE	B	TRACTOR, NH 550 BALER; 14X18 BALES		HAY BALES
1	26	$6.50/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES (6' WIDTH)		
2	CALGARY	$0.35/BALE	B	TRACTOR, NH 1063 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		
2	CALGARY	$11/AC	MC	SP JD 900 HABINE W/ 12' CRIMPER		
2	CALGARY	$0.30/BALE	B	TRACTOR, DEUTZ HD490 BALER; 14X18 BALES		
2	CALGARY	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	MD31	$0.31/BALE	SH	NH 1049 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		PLUS $0.01/BALE/MI OVER 1 MILE
2	MD31	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	MD31	$0.30/BALE	S	NH 1049 BALE WAGON HOLDS 160 14X18 BALES ON FIELD		
2	MD31	$7/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES	10BALES/HR	
2	MD31	$5/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		STRAW
2	MD31	$35/HR	S	STACK RETRIEVER TRUCK		

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
2	MD31	$0.40/BALE	MC	NH 14' HAYBINE		
2	MD31	$0.30/BALE	B	TRACTOR, JD 347 BALER; 14X18 BALES		
2	MD44	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	MD48	$0.27/BALE	SH	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		PLUS $0.01/BALE/MI OVER 1 MI
2	MD48	$10/BALE	B	TRACTOR, HESTON 4800 W/ACCUMULATOR; LARGE SQUARE BALES		
2	SA2	$0.34/BALE	B	TRACTOR, HESTON 4600 BALER; 14X18 BALES		MINIMUM $50/HR
2	SA2	$0.28/BALE	S	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD STACKING		PLUS $0.02/BALE/MI
2	SA2	$7/BALE	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		MINIMUM $50/HR
2	16	$9/AC	MC	SP 14' NH 114 HAYBINE	6.75AC/HR	
2	16	$0.30/BALE	B	TRACTOR, JD 467 BALER; 16X18 BALES		STRAW
2	16	$61/HR	MC	SP 14' NH 114 HAYBINE	6.75AC/HR	
2	16	$0.30/BALE	S	SP NH 1069 BALE WAGON HOLDS 133 16X18 BALES ON FIELD STACKING		STRAW
2	16	$0.40/BALE	S	SP NH 1069 BALE WAGON HOLDS 133 16X18 BALES ON FIELD STACKING		
2	16	$0.40/BALE	B	TRACTOR, JD 467 BALER; 16X18 BALES		
2	16	$5.75/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	16	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		STRAW OR HAY
2	17	$5.75/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	17	$0.40/BALE	T	TANDEM TRUCK WITH TRAILER HOLDS 250 14X18 BALES TO 20 MILES		HAY OR STRAW; OVER 200 BALES
2	17	$2/LMI	T	TANDEM TRUCK WITH TRAILER HOLDS 250 14X18 BALES OVER 20 MILES		SLIDE OUT LOAD
2	17	$0.40/BALE	B	TRACTOR, NH 215 BALER; 14X18 BALES		SLIDE OUT LOAD
2	17	$0.25/BALE	S	TRACTOR, NH 1044 BALE WAGON HOLDS 120 14X18 BALES ON FIELD STACKING	200BALES/HR	
2	17	$6/BALE	B	TRACTOR, VERMERE BALER; LARGE ROUND BALES		
2	17	$6.25/AC	MC	SP HESTON 6550 WITH 14' CRIMPER		
2	17	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	17	$0.31/BALE	B	TRACTOR, JD 327 BALER; 14X18 BALES		HAY OR STRAW
2	17	$0.40/BALE	S	TRACTOR, NH 1033 BALE WAGON HOLDS 105 14X18 BALES ON FIELD STACKING		
2	17	$6.50/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
2	17	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALER		ROTARY STRAW
2	17	$0.30/BALE	SH	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD STACKING		PLUS $0.02/BALE/MI

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
2	17	$0.25/BALE	B	TRACTOR, JD 347 BALER; 14X18 BALES		
2	17	$5.50/BALE	B	TRACTOR, MCKEE BALER; LARGE ROUND BALES		
2	17	$8.50/AC	MC	VICON DISC MOWER WITH 10' HEADER		
3	SA4	$5/BALE	T	STRAIGHT TRAILER HOLDS 30-38 LARGE ROUND BALES	UNDER 30 MILES	MINUS 10% IF PAID ON COMPLETION
3	SA4	$2.75/LMI	T	STRAIGHT TRAILER HOLDS 30-38 LARGE ROUND BALES	UP TO 200 MILES	MINUS 10% IF PAID ON COMPLETION
3	3	$65/HR	B	TRACTOR, IHC 3620 BALER; LARGE ROUND BALES	10-11BALES/HR	
3	3	$5/AC	MC	SP 12' NH 495 HAYBINE		
3	3	$2.85/LMI	T	TRUCK & MODIFIED HI-BOY HOLDS 34 LARGE ROUND BALES		OVER 100 MILES
3	3	$65/HR	T	SP BALE WAGON HOLDS 8 LARGE ROUND BALES		UP TO 10 MILES
3	3	$6/BALE	T	SELF-UNLOADING TRAILER HOLDS 30-36 BALES & UNLOADS IN NEAT STACKS		50-65 MILES
3	3	$35/HR	T	GOOSENECK TRAILER HOLDS 11 LARGE ROUND BALES		UP TO 5 MILES
3	3	$2.55/LMI	T	SELF-UNLOADING TRAILER HOLDS 30-36 BALES & UNLOADS IN NEAT STACKS		OVER 200 MILES
3	3	$6/BALE	B	TRACTOR, NH 851 BALER; LARGE ROUND BALES		
3	3	$2/BALE	T	SELF-LOADING & UNLOADING TRAILER HOLDS 10-12 LARGE ROUND BALES		PLUS $0.25/BALE/MI UNDER 30 MI
3	3	$7/AC	MC	SP 9' NH 489 HAYBINE		
3	3	$2.85/LMI	T	SELF-UNLOADING TRAILER HOLDS 30-36 BALES & UNLOADS IN NEAT STACKS		100-150 MILES
3	3	$60/HR	MC	SP 14' IHC 1590 HAYBINE	7-8AC/HR	
3	3	$2/BALE	T	TRUCK & MODIFIED HI-BOY HOLDS 34 LARGE ROUND BALES UP TO 5 MILES		PLUS $0.10/BALE/MI UP TO 80 MI
3	3	$6.25/BALE	B	TRACTOR, IHC 3620 BALER; LARGE ROUND BALES	10-11BALES/HR	
3	6	$9/AC	M	SP 12' SWATHER		
3	6	$6.50/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES	10-11BALES/HR	
3	6	$5.50/BALE	B	TRACTOR, AVCO 486 BALER; LARGE ROUND BALES		STRAW
3	6	$6.50/BALE	B	TRACTOR, AVCO 486 BALER; LARGE ROUND BALES		HAY OR GREENFEED
3	6	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
3	6	$6.50/BALE	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		
3	10	$3/LMI	T	SELF-UNLOADING B-TRAIN HOLDS 40 LARGE ROUND BALES		OVER 80 MILES
3	10	$60/HR	T	SELF-UNLOADING B-TRAIN HOLDS 40 LARGE ROUND BALES		UNDER 80 MILES
3	10	$5/BALE	B	TRACTOR, NH 855 OR IHC 3650 BALER; LARGE ROUND BALES		

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
3	14	$7/AC	MC	SP 14' GALE HAYBINE	9AC/HR	
3	14	$6/AC	MC	SP 16' NH 1118 HAYBINE		
3	14	$6.50/BALE	B	TRACTOR, NH 855 BALER; LARGE ROUND BALES		
3	14	$0.30/BALE	S	TRACTOR, NH 1033 BALE WAGON HOLDS 105 14X18 BALES ON FIELD STACKING		
3	14	$8/AC	MC	IHC 1190 HAYBINE WITH 9' HEADER	4AC/HR	
3	14	$1.25/BALE	S	SP NH 8500 HOLDS 8 LARGE ROUND BALES/LOAD ON FIELD STACKING		
3	14	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES	10-11BALES/HR	
3	14	$0.50/BALE	S	STACKING LARGE ROUND BALES W/100HP TRACTOR W/FRONT END LOADER ON FIELD		
3	14	$6/BALE	B	TRACTOR, GALE 1860 BALER; LARGE ROUND BALES	15BALES/HR	
3	14	$0.30/BALE	SH	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		PLUS $0.01/BALE/MI OVER 1 MI
3	22	$3/LMI	T	HI-BOY HOLDS 38 LARGE ROUND BALES ANY DISTANCE		PLUS $50/HR LOADING/UN-LOADING
3	23	$5/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
3	23	$0.28/BALE	B	TRACTOR, JD 348 BALER; 14X18 BALES		
3	23	$7/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
3	23	$7/BALE	B	TRACTOR, JD 535 BALER; LARGE ROUND BALES		
3	23	$0.25/BALE	SH	SP NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD STACKING		PLUS $0.015/BALE/MI
4	19	$0.25/BALE	B	TRACTOR, JD 336 BALER; 14X18 BALES		
4	19	$6/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES (2000 LBS)		
4	19	$0.20/BALE	SH	TRACTOR, NH 1033 BALE WAGON HOLDS 104 14X18 BALES TO 1 MILE		
4	19	$0.25/BALE	SH	TRACTOR, NH 1033 BALE WAGON HOLDS 104 14X18 BALES TO 3 MILES		
4	24	$50/HR	MC	VERSATILE 276 W/ 16' HEADER	6-10AC/HR	
4	24	$3/BALE	SH	TANDEM TRUCK HOLDS 12 BALES/LOAD TO 10 MILES		
4	24	$5.50/BALE	B	TRACTOR, NH 855 BALER; LARGE ROUND BALES	20BALES/HR	
4	24	$5/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES	30BALES/HR	
4	24	$5.50/BALE	B	TRACTOR, NEW IDEA BALER; LARGE ROUND BALES	13BALES/HR	
4	24	$6/BALE	B	TRACTOR, NH 855 BALER; LARGE ROUND BALES	10BALES/HR	OR $9/AC IF < 1.5 BALES/AC

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
5	ID17	$3.00/LMI	T	STRAIGHT TRAILER HOLDS 42-44 LARGE ROUND BALES PER LOAD		UP TO 100 MILES
5	ID17	$2.80/LMI	T	STRAIGHT TRAILER HOLDS 42-44 LARGE ROUND BALES PER LOAD		100-200 MILES
5	ID17	$2.60/LMI	T	STRAIGHT TRAILER HOLDS 42-44 LARGE ROUND BALES PER LOAD		OVER 200 MILES
5	MD90	$5.50/AC	MC	VERSATILE 103 SWATHER	3-4AC/HR	
5	MD90	$6/BALE	B	TRACTOR, INTERNATIONAL 2400 BALER; LARGE ROUND BALES	5BALES/HR	
5	MD92	$50/HR	T	STRAIGHT TRAILER HOLDS 29 LARGE ROUND BALES		UP TO 10 MILES
5	MD92	$0.40/BALE	B	TRACTOR, JD 348 BALER; 14X18 BALES		
5	MD92	$0.40/BALE	B	TRACTOR, JD 347 BALER; 14X18 BALES	400BALES/HR	
5	MD92	$7/AC	MC	SP 12' NH 499 HAYBINE		
5	MD92	$2.80/LMI	T	A-TRAIN HOLDS 40 LARGE ROUND BALES		OVER 200 MILES
5	MD92	$5.50/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
5	MD92	$3/LMI	T	A-TRAIN HOLDS 40 LARGE ROUND BALES		100-200 MILS
5	MD92	$0.25/BALE	S	SP NH 1049 BALE WAGON HOLDS 160 14X18 BALES ON FIELD STACKING		
5	MD92	$50/HR	T	A-TRAIN HOLDS 40 LARGE ROUND BALES		0-100 MILES
5	MD92	$45/HR	MC	SP 14' NH 1100 HAYBINE		
5	MD92	$5/BALE	B	TRACTOR, JD 530 BALER; LARGE ROUND BALES		
5	MD92	$0.25/BALE	S	NH 1069 BALE WAGON HOLDS 160 14X18 BALES ON FIELD		
5	MD92	$0.26/BALE	SH	NH 1069 BALE WAGON HOLDS 160 14X18 BALES TO 1 MILE		PLUS $0.01/BALE/MI OVER 1 MILE
5	7	$5/BALE	B	TRACTOR, NH 853 BALER; MEDIUM ROUND BALES (1000 LBS)		
5	7	$9.25/AC	MC	SP 12' NH 495 HAYBINE		
5	7	$7/AC	MC	SP 12' NH 275 HAYBINE		
5	7	$6/BALE	B	TRACTOR, MF 1165 BALER; LARGE ROUND BALES		
5	25	$5/BALE	B	TRACTOR, NH 853 BALER; LARGE ROUND BALES		
5	25	$0.25/BALE	B	TRACTOR, JD 348 BALER; 14X18 BALES		
5	31	$40/HR	MC	SP 14' NH SWATHER	5-6AC/HR	
5	31	$5.50/BALE	B	TRACTOR; HESTON BALER; LARGE ROUND BALES		
5	31	$7/BALE	B	TRACTOR, NH 855 BALER; LARGE ROUND BALES	22BALES/HR	

HAYMAKING OPERATIONS 1989

(SINGLE HAYMAKING OPERATIONS)

REGION	COUNTY	CUSTOM COST	OPERATION	EQUIPMENT	RATE	NOTES
6	ID21	$6/BALE	B	TRACTOR, NH 855 BALER; LARGE ROUND BALES		
6	MD133	$5/BALE	B	TRACTOR, INTERNATIONAL BALER; LARGE ROUND BALES		
6	MD136	$6/BALE	B	TRACTOR, NH 851 BALER; LARGE ROUND BALES		

NOTE: ALL CUSTOM COSTS FOR BALING INCLUDE TWINE UNLESS OTHERWISE STATED.

LEGEND

M- MOWING
MC-MOWING AND CONDITIONING
B- BALING
S- STACKING
SH-STACKING AND HAULING
T- LONG DISTANCE HAULING

SR - SMALL ROUND BALES (800-950LBS)
MR - MEDIUM ROUND BALES (1000-1150LBS)
LR - LARGE ROUND BALES (1250-1500LBS)
LMI - LOADED MILE
SP - SELF PROPELLED
JD - JOHN DEERE NH - NEW HOLLAND